

## PROJECT DESCRIPTION

## GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 543 (N. FOUNTAIN GREEN ROAD) AND C. MILTON WRIGHT HIGH SCHOOL IN HARFORD COUNTY, MARYLAND. MD 543 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

## INTERSECTION OPERATION

INTERSECTION OPERATION WILL REMAIN THE SAME.

## CONTROLLER REQUIREMENTS

THE EXISTING CABINET AND CONTROLLER WILL BE USED.

## MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.02-01 (SHOULDER WORK)

STANDARD NO. MD-104.02-09 (FLAGGING OPERATION)

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING)

## PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. ERIN KUHN  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 229-2381

MR. ANDRE FUTRELL  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 229-2361

MR. MIKE PASQUARIELLO  
DISTRICT UTILITY ENGINEER  
PHONE: (410) 229-2341

MR. ROBERT SYNDER  
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7631

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

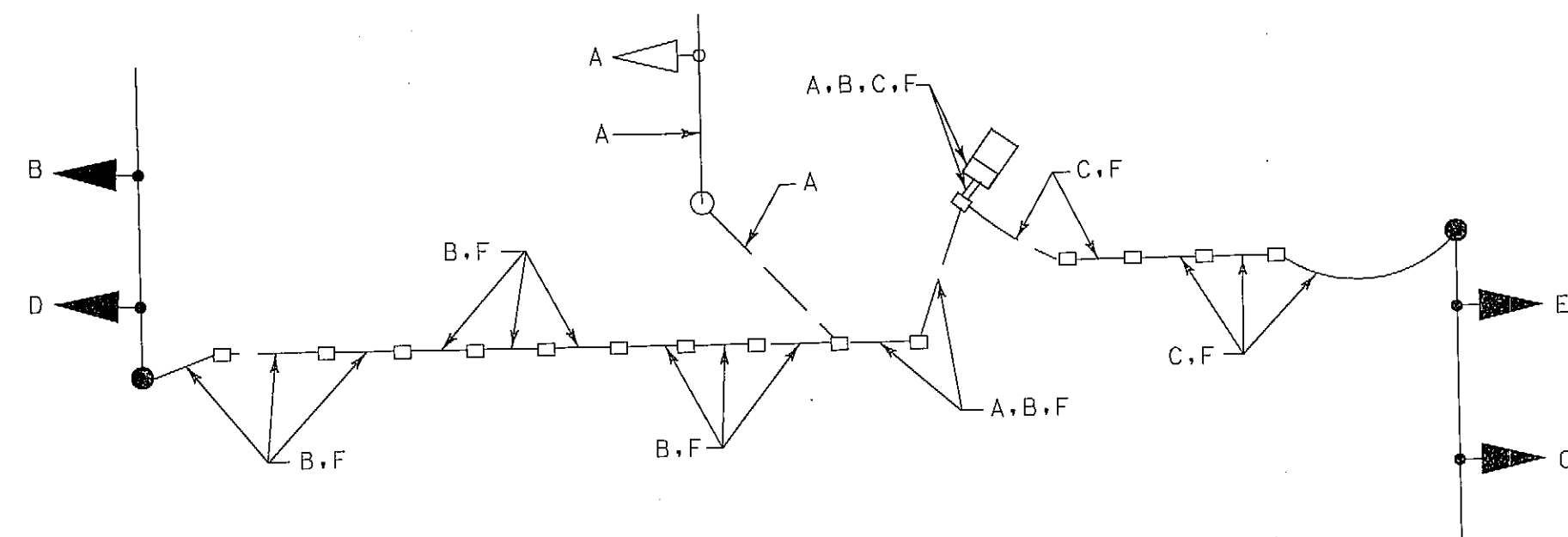
## WIRING DIAGRAM

## WIRING KEY

A } 7-CONDUCTOR ELECTRICAL  
CABLE (NO. 14 A.W.G.)

B  
C  
D  
E } 5-CONDUCTOR ELECTRICAL  
CABLE (NO. 14 A.W.G.)

F } STRANDED BARE COPPER  
GROUND WIRE (NO. 6 A.W.G.)



## EQUIPMENT LIST "A"

## A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	80 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 2 EACH W3-30(1) SIGN (120 IN. x 48 IN.) - MAST ARM MOUNT

## EQUIPMENT LIST "C"

## C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

## EQUIPMENT LIST "B"

## B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EACH	MAINTENANCE OF TRAFFIC
6004	362.5 L.F.	TRAFFIC BARRIER W BEAM USING 6 FOOT POST
6005	4 EACH	TYPE C TRAFFIC BARRIER END TREATMENT
8001	4 EACH	12 INCH LED SIGNAL HEAD SECTION
8017	25 EACH	LED SIGNAL HEAD MODULES (ANY SIZE)
8019	2 EACH	MAST ARM POLE & 50' MAST ARM ANY 'T' DIMENSION
8024	1 EACH	REM & DISPOSE MAT & EQUIP PER ASSIGN
8036	30 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8038	122 S.F.	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8040	2850 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8049	2 EACH	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8053	2950 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8054	275 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

## PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	
	(Y)	(Y)	(R)	(R)	(Y)	(Y)	(Y)	(R)	(R)	(R)	(R)	
			(Y)	(Y)			(Y)	(Y)	(Y)	(Y)	(Y)	
			(G)	(G)			(G)	(G)	(G)	(G)	(G)	
SPECIAL OPERATION												
PHASE 1 + 6	FLY	FLY	R	R	DARK	DARK	G	G	G	R	R	
1 + 6 CHANGE	FLY	FLY	R	R	DARK	DARK	G	G	G	R	R	
PHASE 2 + 6	DARK	DARK	G	G	DARK	DARK	G	G	G	R	R	
2 + 6 CHANGE	DARK	DARK	Y	Y	DARK	DARK	Y	Y	Y	R	R	
PHASE 4	FLY	FLY	R	R	FLY	FLY	R	R	R	G	G	
4 CHANGE	FLY	FLY	R	R	FLY	FLY	R	R	R	Y	Y	
NORMAL OPERATION	DARK	DARK	FLY	FLY	DARK	DARK	FLY	FLY	FLY	FLY	FLY	
FLASHING OPERATION	DARK	DARK	FLY	FLY	DARK	DARK	FLY	FLY	FLY	FLY	FLY	



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 543 (N. Fountain Green Road) and C. Milton Wright High School  
Bel Air, MD

## GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE CONTRACT NO. XX3635168

DESIGNED BY B. DONOWAY COUNTY Harford  
DRAWN BY B. DONOWAY LOGMILE  
CHECKED BY N. Leary TMS NO. K350  
F.A.P. NO. TOD NO.

TS NO. 3987 A DRAWING TSP-2 OF 2 SHEET NO. 1 OF 2



WHITMAN, REQUARDT  
& ASSOCIATES, LLP  
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PLOTTED: 05-18-2010  
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